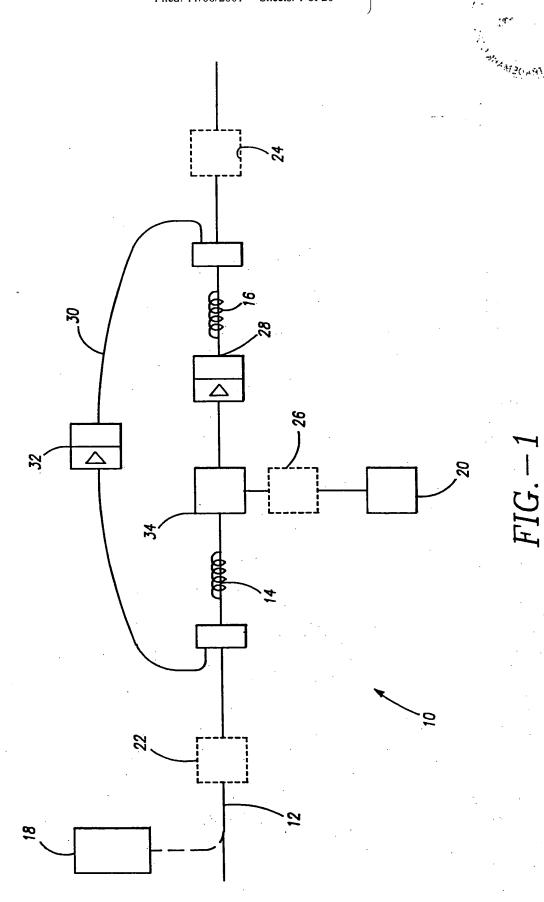
Multi-Stage Optical Amplifier and roadband Communication System Attorney Docket: 069204.0176
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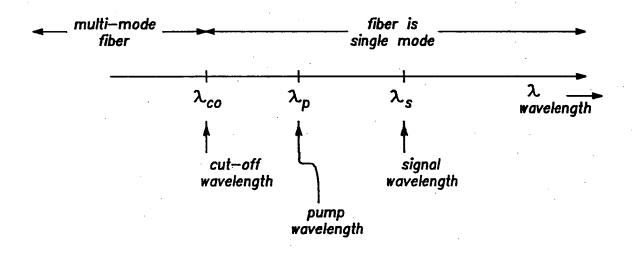


FIG.-2

Multi-Stage Optical Amplifier and Froadband Communication System Attorney Docket: 069204.0176 Inventor: Mohammed N. Islam Filed: 11/06/2001 Sheets: 3 of 20

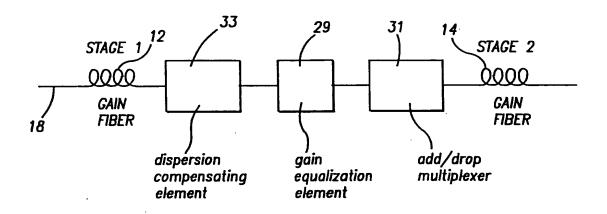


FIG.-3

Multi-Stage Optical Amplifier and roadband Communication System Attorney Docket: 069204.0176 Inventor: Mohammed N. Islam Filed: 11/06/2001 Sheets: 4 of 20

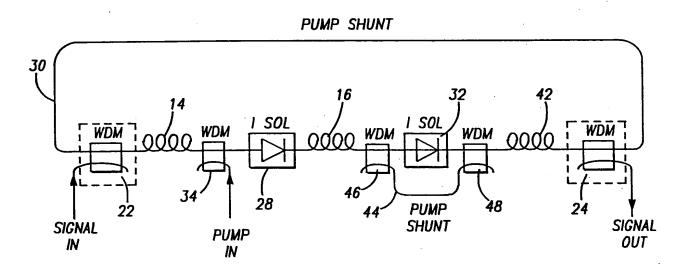


FIG.-4 (Continued)

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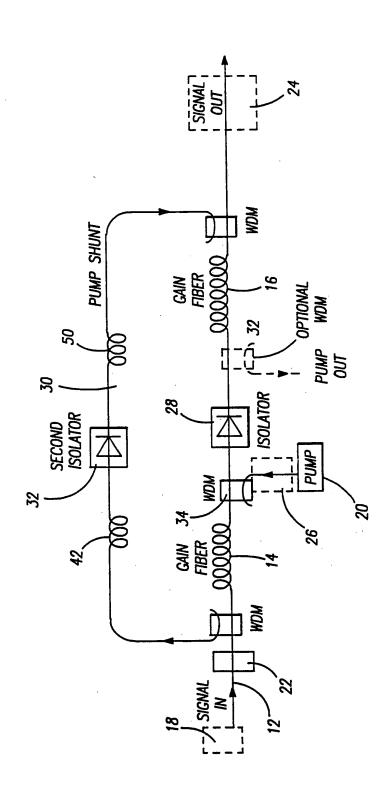
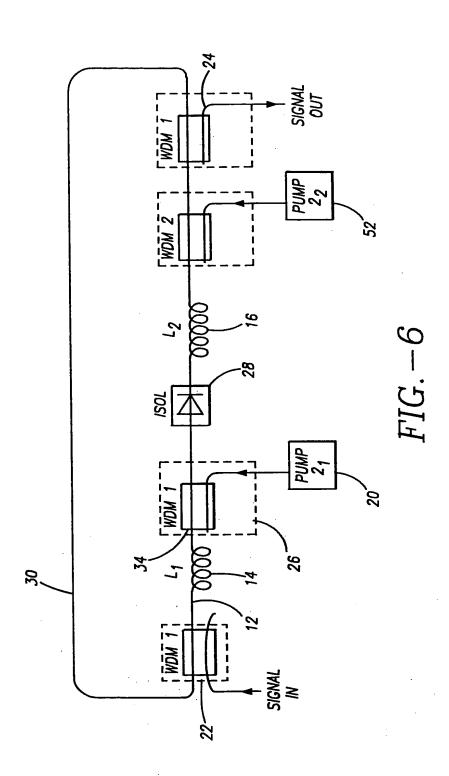


FIG.-5

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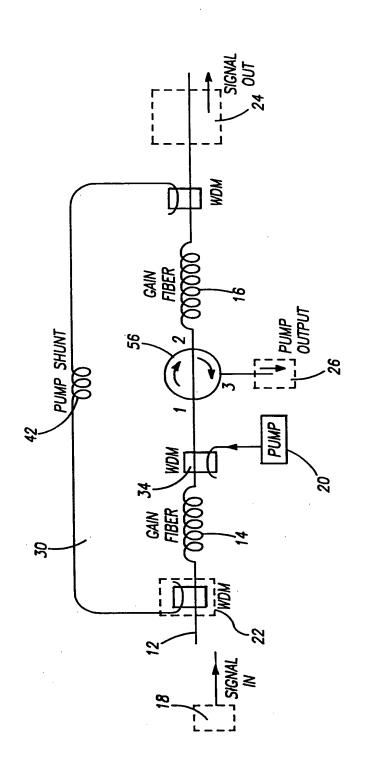
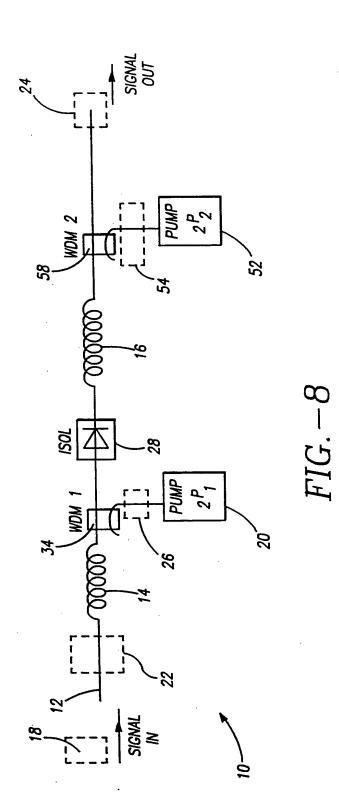


FIG. - 7

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FIG.-8b

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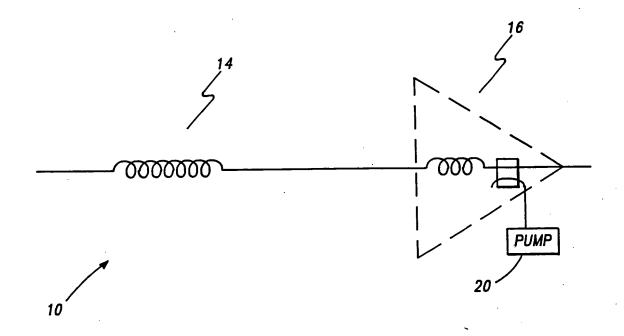
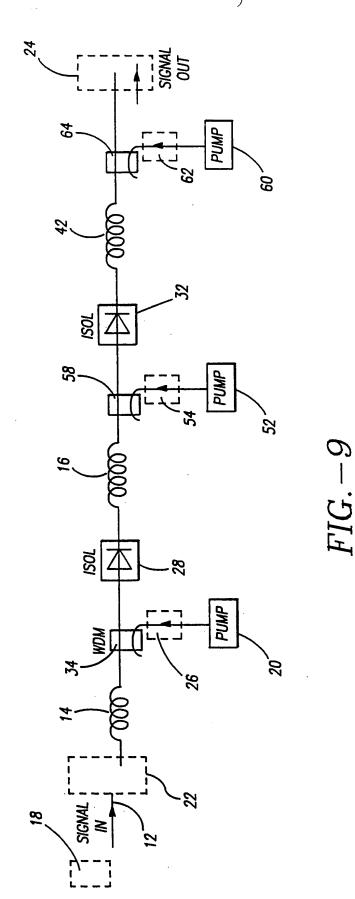


FIG.-8c

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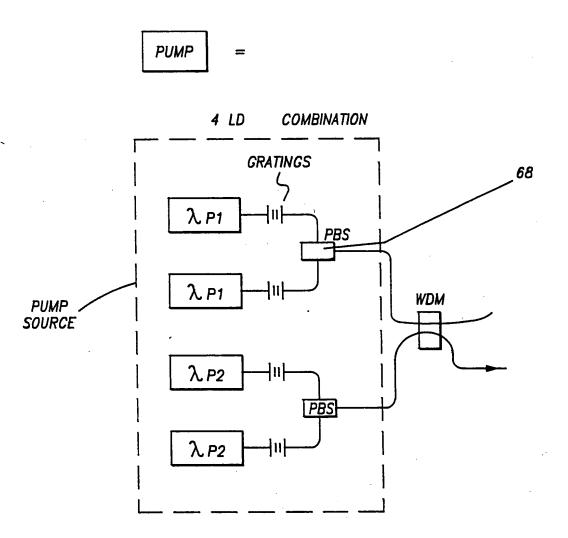


FIG.-10

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8 LD COMBINATION

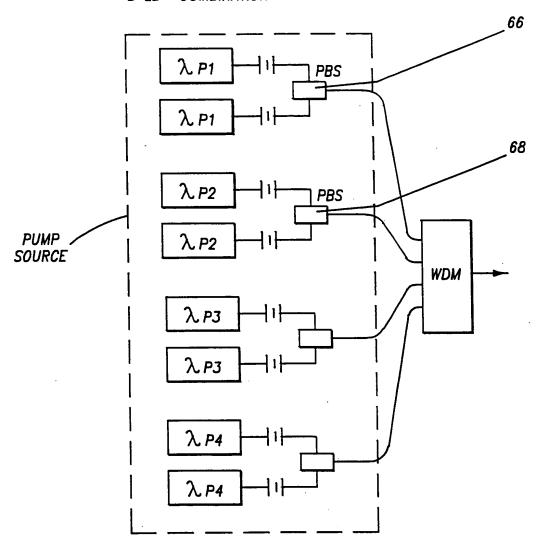


FIG.-11

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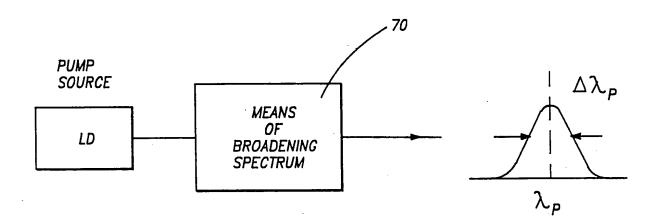
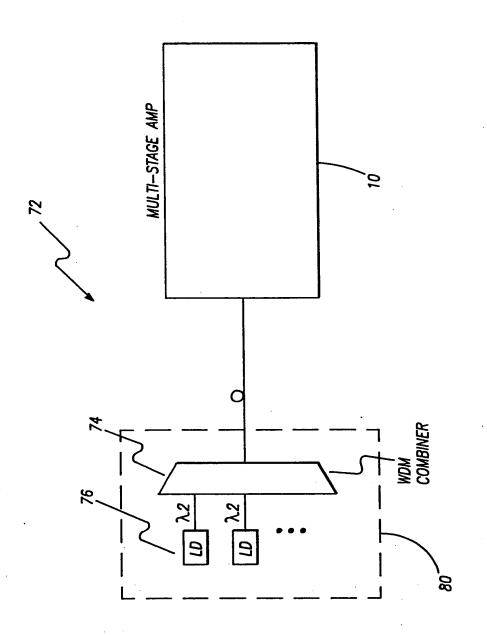
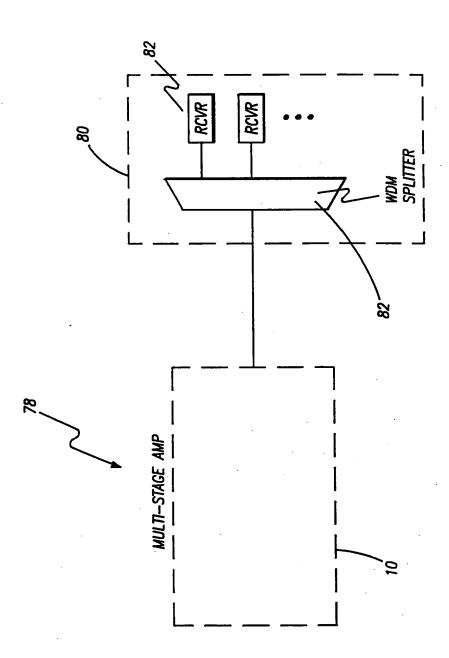


FIG.-12

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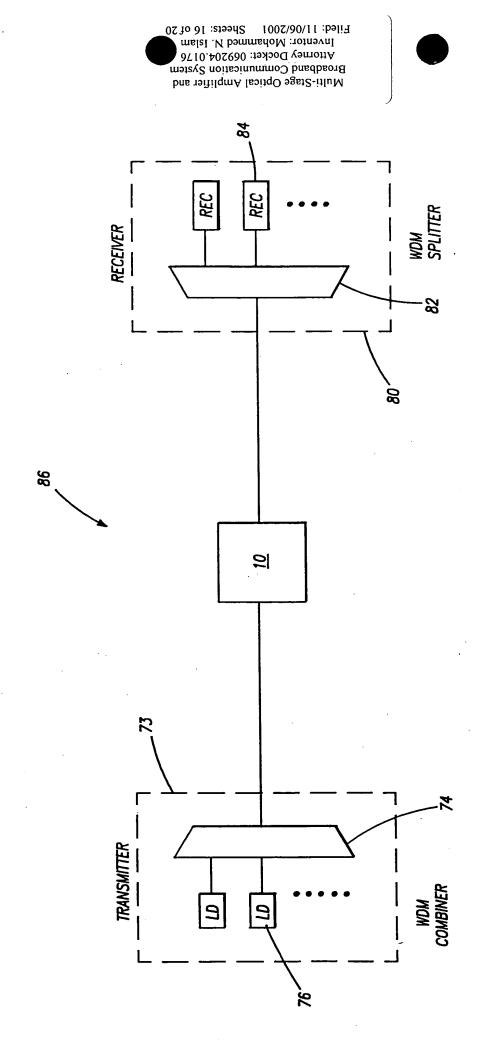


FIG. - 15

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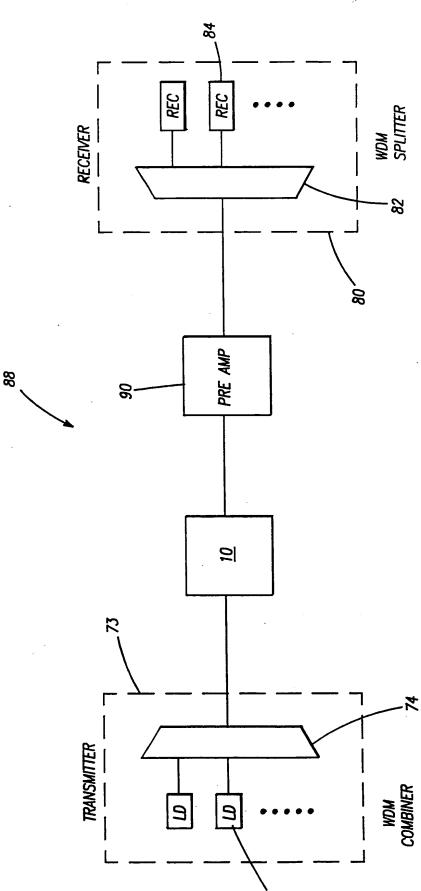


FIG. - 16

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Inventor: Mohammed N. Islam
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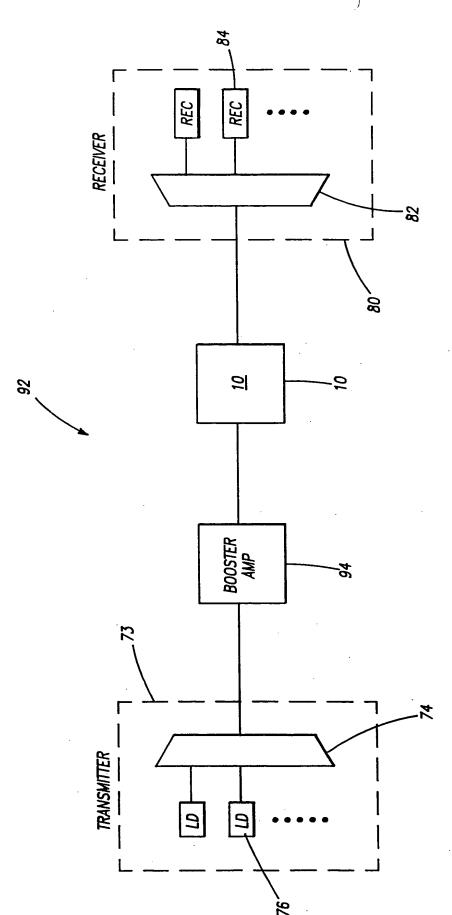


FIG. - 17

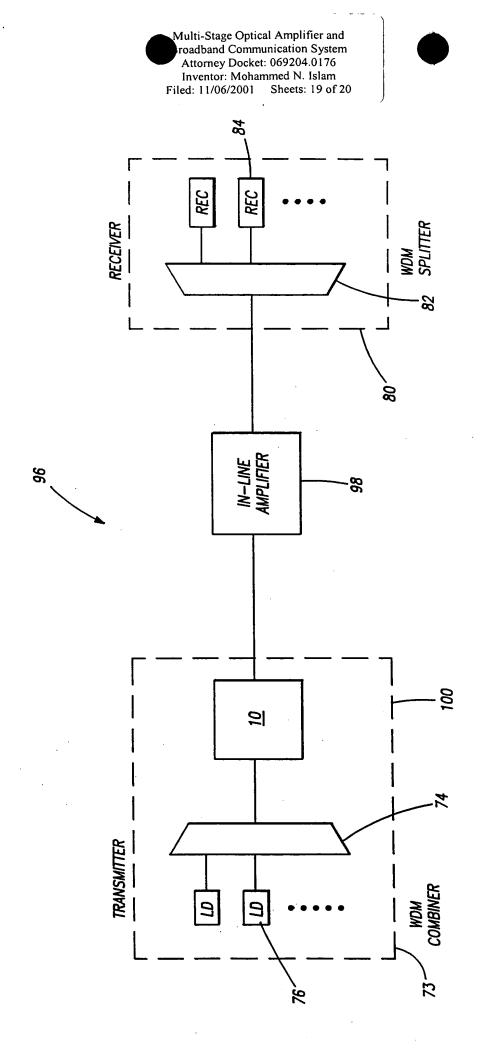


FIG. - 18

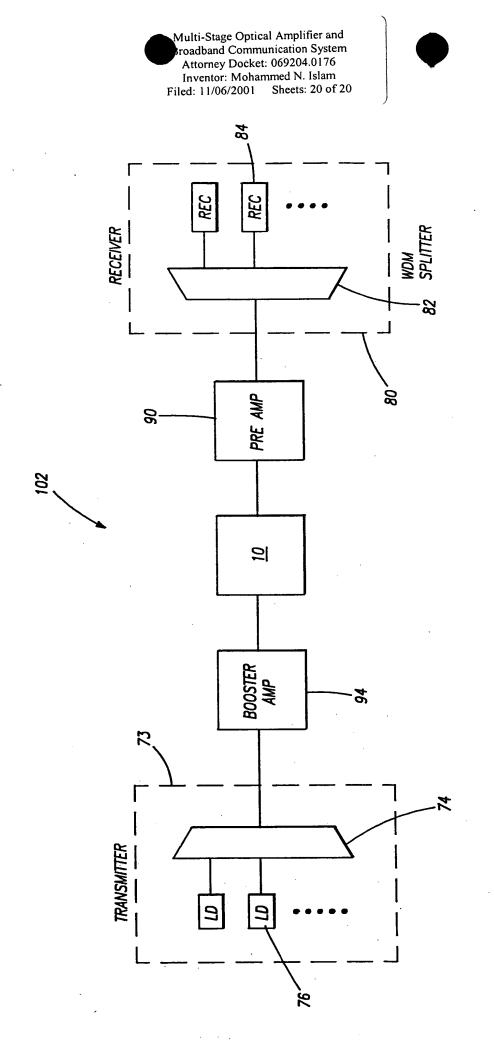


FIG. - 19